REPLACEMENT SHEET

FIG. 22

ROW	PRIMER SEQUENCE	SEQ ID NO	SEQUENCED SEQENCE	SEQ ID NO	PREDICTED GAM RNA	SEQ ID NO	DIST-ANCE	GAM NAME
1*	AATTGCTTGAAC	10,068,194	CCAGGAAGTGGA	10,068,223	AATTGCTTGAACCCAGGAAGTGGA	10,068,252	0	25-A
2*	ACTGCACTCC	10,068,195	AGCCTGGGC	10,068,224	ACTGCACTCCAGCCTGGGCTAC	10,068,253	0	351661-A
3	CACTGCACTC	10,068,196	CAGCCCGAGCAACA	10,068,225	CACTGCACTCCAGCCCGAGCAA	10,068,254	0	351946-A
4	CTAGACTGAAG	10,068,197	CTCCTTGAGGAC	10,068,226	CTAGACTGAAGCTCCTTGAGGA	10,068,255	0	352759-A
5	GAAGTTTGAAG	10,068,198	CCTGTTGTTCA	10,068,227	GAAGTTTGAAGCCTGTTGTTCA	10,068,256	0	4426-A
6	TCACTGCAAC	10,068,199	CTCCACCA	10,068,228	(TCACTGCAACCTCCACCACGTG) , (TCACTGCAACCTCCACCAGCCT)	10,068,257; 10,068,323	0	(357950-A), (352721-A)
7*	TCTAAGAGAAAG	10,068,200	GAAGTTCAGA	10,068,229	TCTAAGAGAAAGGAAGTTCAGA	10,068,258	0	337950-A
8	GGGCAGTGGA	10,068,201	GCTGGAA	10,068,230	GGGCGTGGAGCTGGAATGATGT	10,068,259	1	351996-A
9	AATTGCTTGAAC	10,068,202	CCAAGAAGTGGA	10,068,231	AATCACTTGAACCCAAGAAGTG	10,068,260	2	351874-A
10	AGCAGCCCA	10,068,203	GGGTTTTGT	10,068,232	AGCAAGACCAGGGTTTTGTGTT	10,068,261	2	352083-A
11	AGGCAAGACG	10,068,204	GACCAGA	10,068,233	AGGCAGAGAGGACCAGAGACT	10,068,262	2	351944-A
12	AGGGAAAGAAT	10,068,205	TAATGTGAA	10,068,234	GGGAAATAATTAATGTGAAGTC	10,068,263	2	353325-A
13	AGGGAAAGAAT	10,068,206	TAATGTGAG	10,068,235	AGGAAAAAAATTAATGTGAGTC	10,068,264	2	352649-A
14	ATTCAGTTG	10,068,207	CCCATGTTT	10,068,236	(ATTCATTGCCCATGTTTG), (TATTCATGCCCATGGTGA)	10,068,265; 10,068,324	2	A),(352957-A, 352960-A)
15	CTAGACTGAAG	10,068,208	CTCCTTGAGG	10,068,237	CTGGACTGAGCTCCTTGAGGCC	10,068,266	2	352288-A
16	TTCAGAGTGGT	10,068,209	TAAGTTCTG	10,068,238	TTCTGATGGTTAAGTTCTGTCA	10,068,267	2	353875-A
17	TTCAGAGTGGT	10,068,210	TAAGTTCTGC	10,068,239	TTCAAGTGTTTAAGTTCTGCTT	10,068,268	2	351940-A
18	AGCAGCCCA	10,068,211	GAAGGAAGC	10,068,240	AGGCCAAGAAGGAAGCAGAGG	10,068,269	3	352496-A
19	AGTTTGCCTTG	10,068,212	TAAGAAAAG	10,068,241	AGTTTGTGTAAGAAAAGC	10,068,270	3	352518-A
20	ATCAGAGGGTG	10,068,213	GGTGCTAA	10,068,242	ATTAGGAGAGTGGGTGCTAAGT	10,068,271	3	352511-A
21	ATGGTGGGAG	10,068,214	AGTTTGTCAGT	10,068,243	TGGAGGAGAGTTTGTCAGTATAG	10,068,272	3	353484-A
22	CCCAGGAAG	10,068,215	TGGAGCCTGGGC	10,068,244	CCCGGGTGGAGCCTGGGCTGTG	10,068,273	3	351990-A
23	GGGCAGTGGA	10,068,216	GGTCCGT	10,068,245	AGGGCAGGAGGTCCGTCCCTTC	10,068,274	3	353880-A
24	GGGCAGTGGA	10,068,217	TCTAGAC	10,068,246	GTGACAGTGAATCTAGACAGAC	10,068,275	3	352810-A
2S	TCAAGCTCATTC	10,068,218	CACTAAA	10,068,247	CTCAGCTCATCCACTAAATCCC	10,068,276	3	353184-A
26	TGGAAAGTT	10,068,219	GGTTGTATGGTT	10,068,248	GGAATGGTGGTTGTATGGTTG	10,068,277	3	353855-A
27	TGGAGAGTT	10,068,220	CCATATTTTG	10,068,249	TGATAGATCCATATTTTGGTAA	10,068,278	3	352004-A
28	TGGAGAGTT	10,068,221	GTTTGTACAGT	10,068,250	TGGGTTTTGTTTGTACAGTGTA	10,068,279	3	353160-A
29	TCACTGCAAC	10,068,222	CTCCACC	10,068,251	TCACTGCAACCTCCACCTTCCG	10,068,280	0	353856-A

FIG. 25D

PRE #	PREDICTED PRECURSOR SEQUENCE	SEQ ID NO	PRIMER 1 TYPE/NAME	PRIMER 1 SEQUENCE	SEQ ID NO	PRIMER 2 TYPE/NAME	PRIMER 2 SEQUENCE	SEQ ID NO	METHOD	OBSERVED SEQUENCE	GAM NAME
1	AATGCTGAGTCCT GTGAGTCTTCCTA GCAAATCAAATCT GGAAGGGGTCTTG AGGACTCCAGCATT	10,068,297	F STEM 1 3	GAGTCCTG TGAGTCTT CCTAGC	10,068,300	R STEM 1 3	TGCTGGAGT CCTCAAGA CC	10,068,303	A		
2	TGAGCCCTCAGCC CTCATGGCTTTCC CGATGCTCACCGG TGCAGAGGAGCC AGCTGGGGAGCCT CTGT	10,068,298	R LOOP 2 1	AAAGCCAT GAGGGCTG AGG	10,068,301	R STEM 2 1	GTGAGCAT CGGGAAAG CCA	10,068,304	B		
3	ACTGTTGGTCTTC TGTTTAGCCATTA TTCTCAGTTCTGT GCAGGAGTGAGCT GAAACAAAGTTGT ATAGCCCAGAGA GTGAGAAGCTGCA TTTCATGTCTCCC AACAGT	10,068,299	F STEM 3 3	TTCTCAGT TCTGTGCA GGAGTG	10,068,302	R STEM 3 3	CTTCTCACT CTCTGGGC TATAC	10,068,305	A		